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Atty. Docket No.: 11067/1090 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: McHale et al.  
Serial No.: 09/748,789  
Filed: December 22, 2000  
Entitled: Loading Method

Examiner: Li Qian, J.  
Group Art Unit: 1632  
Conf. No.: 3325

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

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Kathleen Williams

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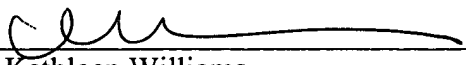
**TRANSMITTAL OF FORMAL DRAWINGS**

Enclosed please find formal drawings of Figures 1 - 12 on 12 separate sheets.

Acceptance of the formal drawings is respectfully requested.

Respectfully submitted,

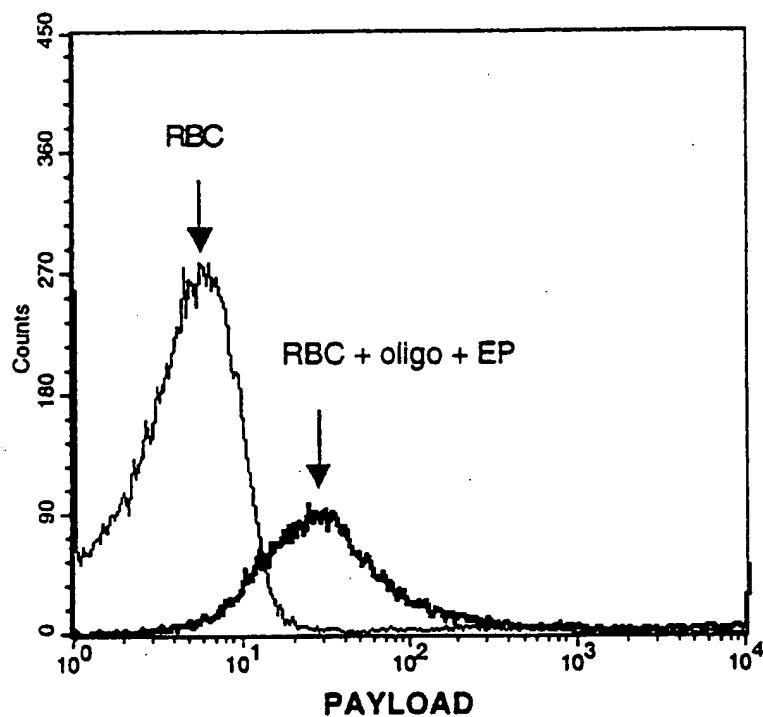
Date: March 13, 2003

  
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### A. ELECTROLOADING OF OLIGONUCLEOTIDE



### B. GENDEL DIALYSIS LOADING OF OLIGONUCLEOTIDE

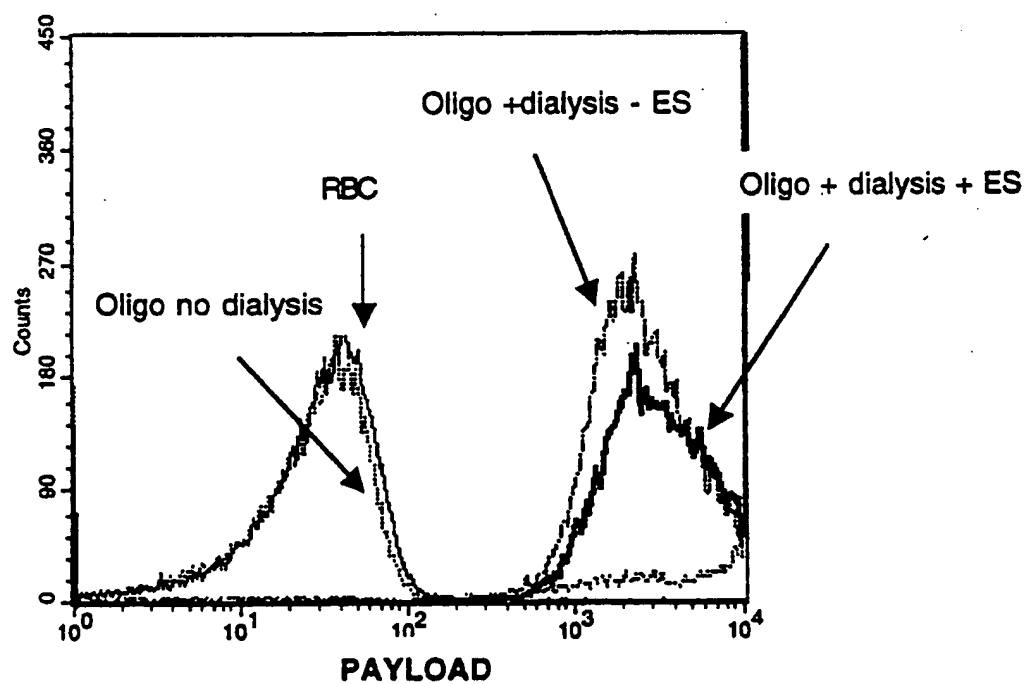
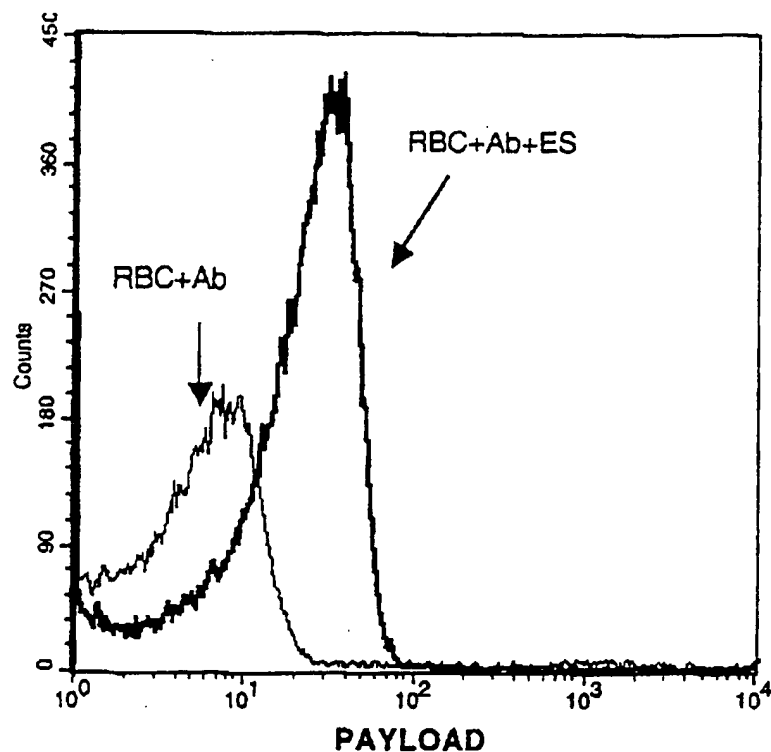


Fig. 1



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### A. ELECTROLOADING (EXPONENTIAL) OF ANTIBODY



### B. ELECTROLOADING (SQUARE WAVE) OF ANTIBODY

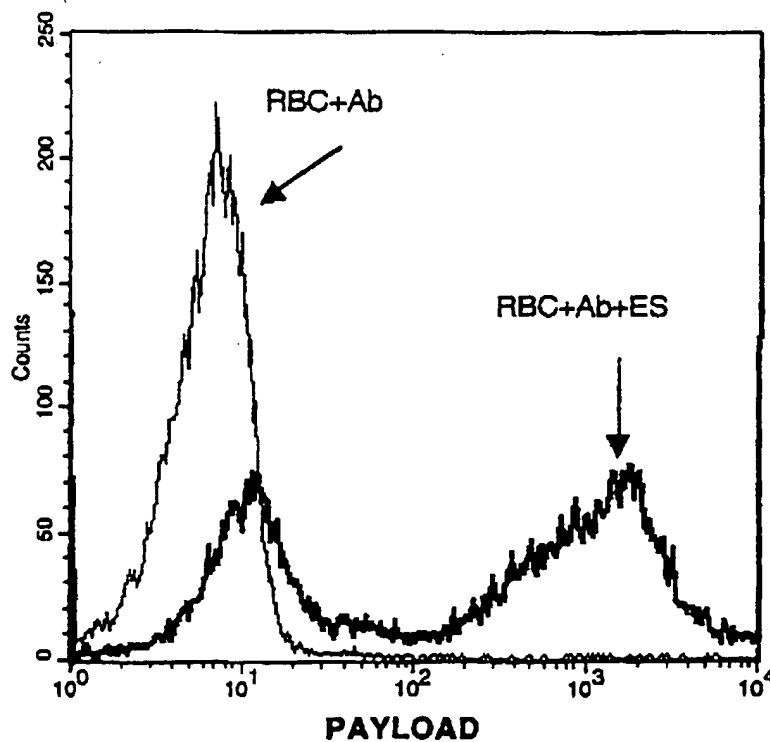


Fig. 2



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# COMPARISON OF OSMOTIC DIALYSIS LOADING PROTOCOLS PUBLISHED VS GENDEL TECHNOLOGY

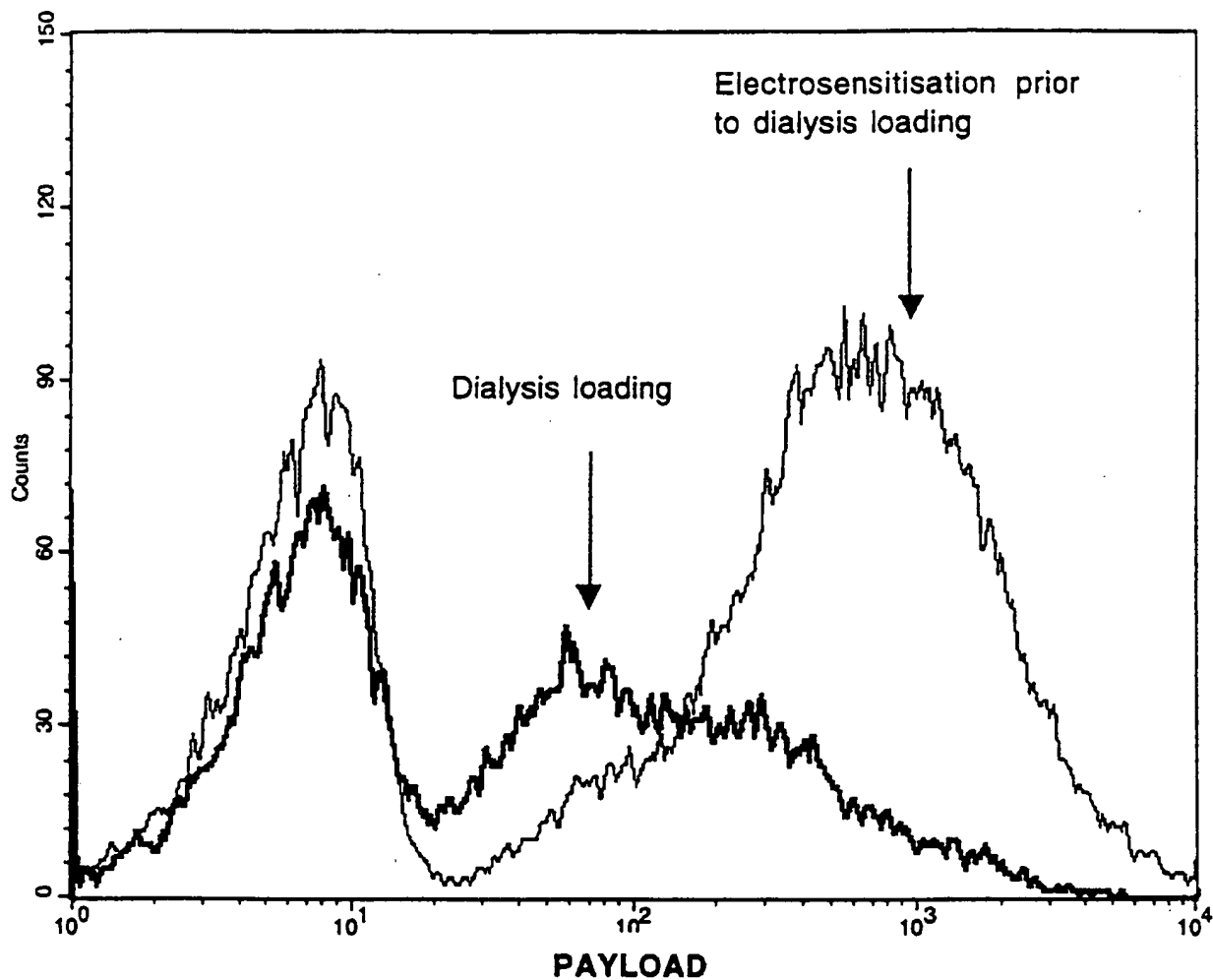
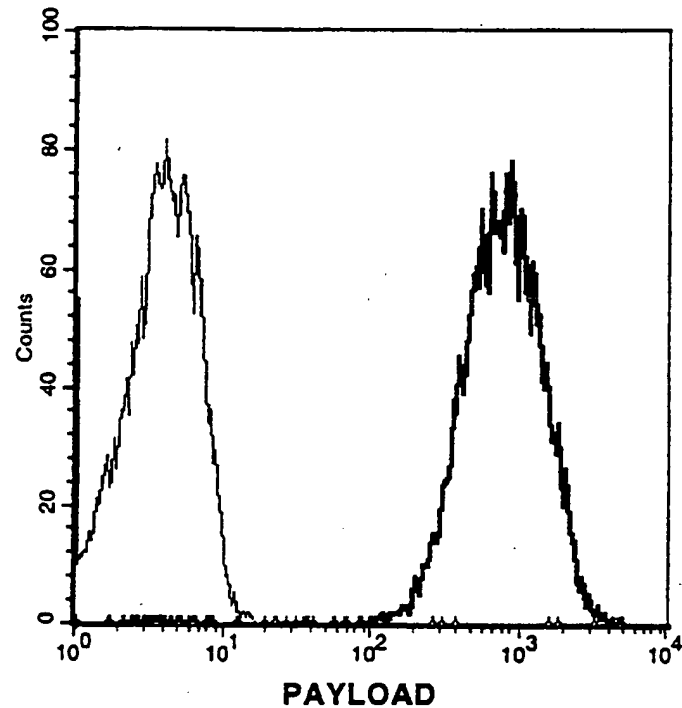


Fig. 3



**A. GENDEL OSMOTIC LOADING WITH BUFFER A**



**B. GENDEL OSMOTIC LOADING WITH BUFFER B**

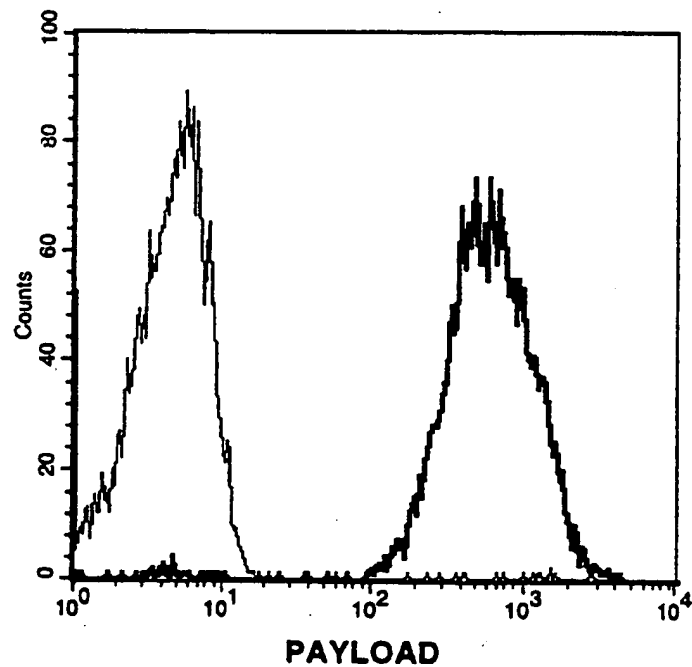
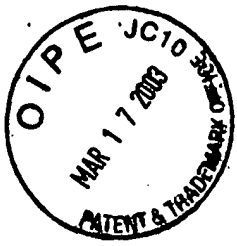


Fig. 4



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### A. ULTRASOUND TREATMENT



### B. NO ULTRASOUND TREATMENT

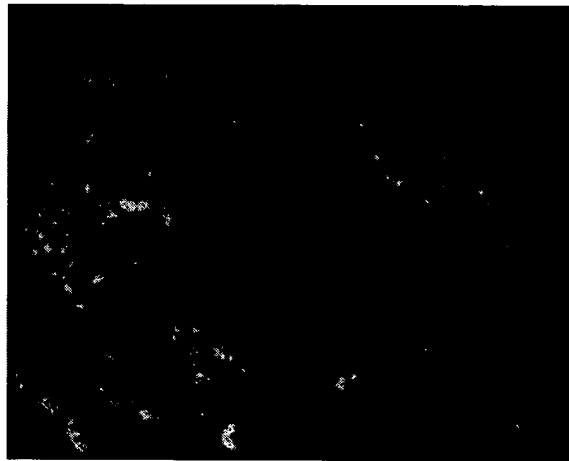


Fig. 5



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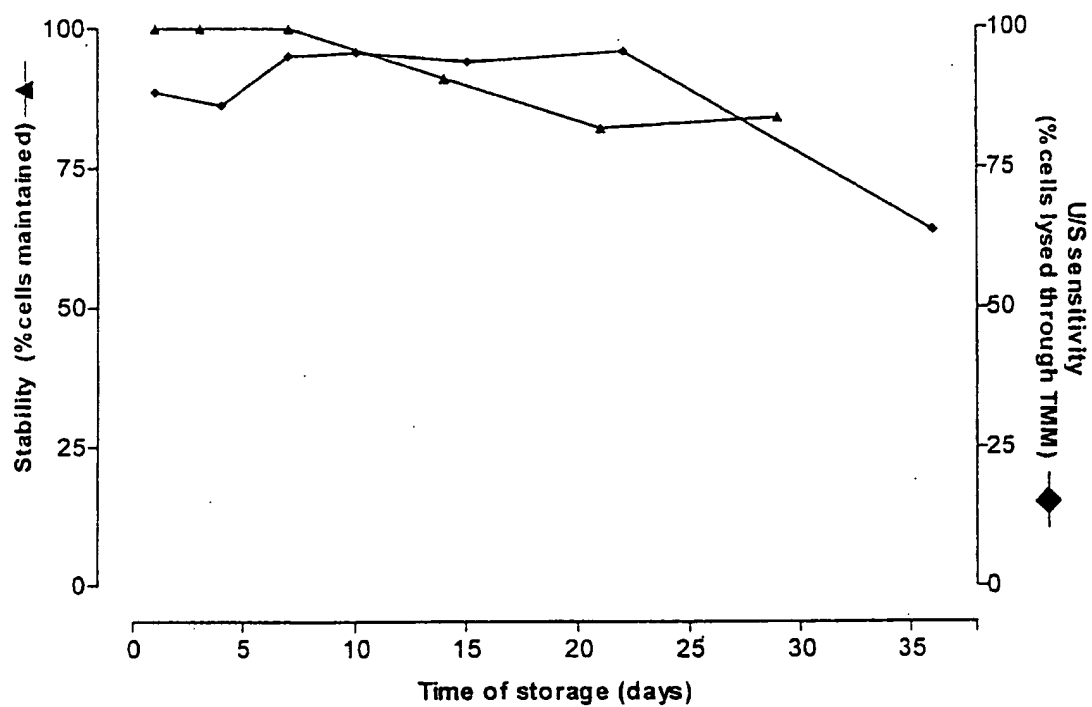


Fig. 6



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## RETENTION OF PAYLOAD OVER 30 DAYS

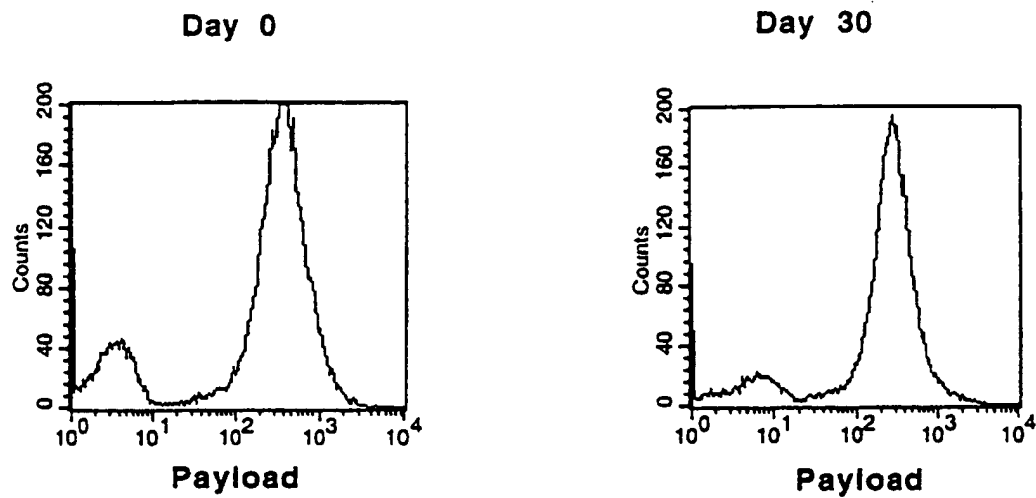


Fig. 7





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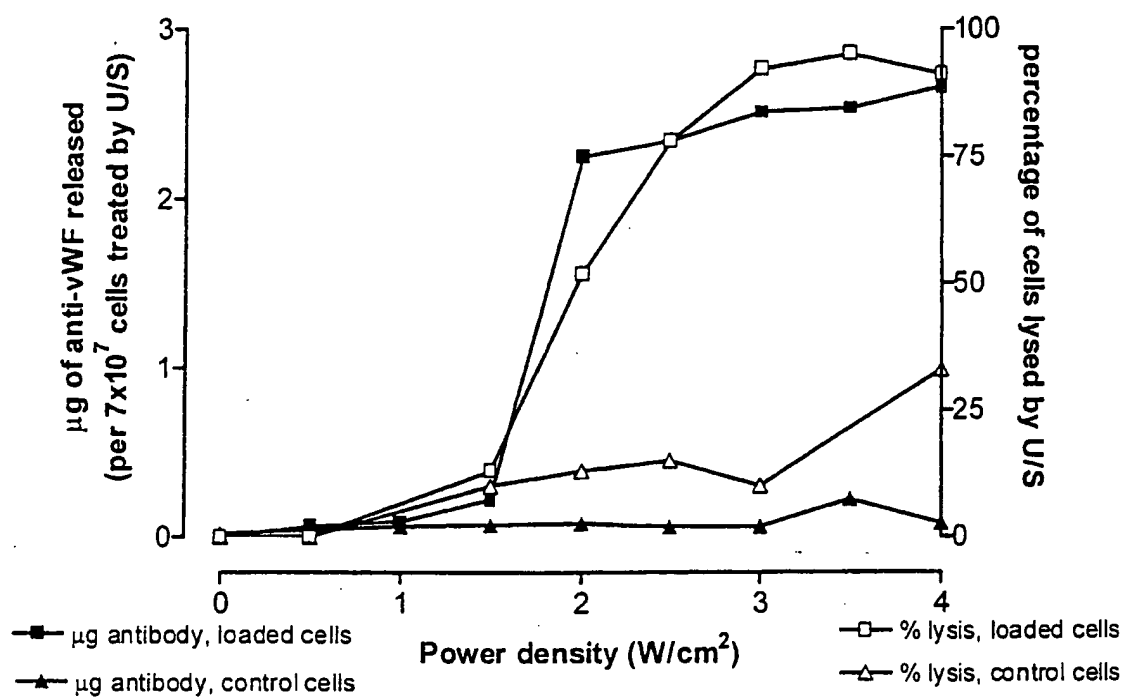


Fig. 8



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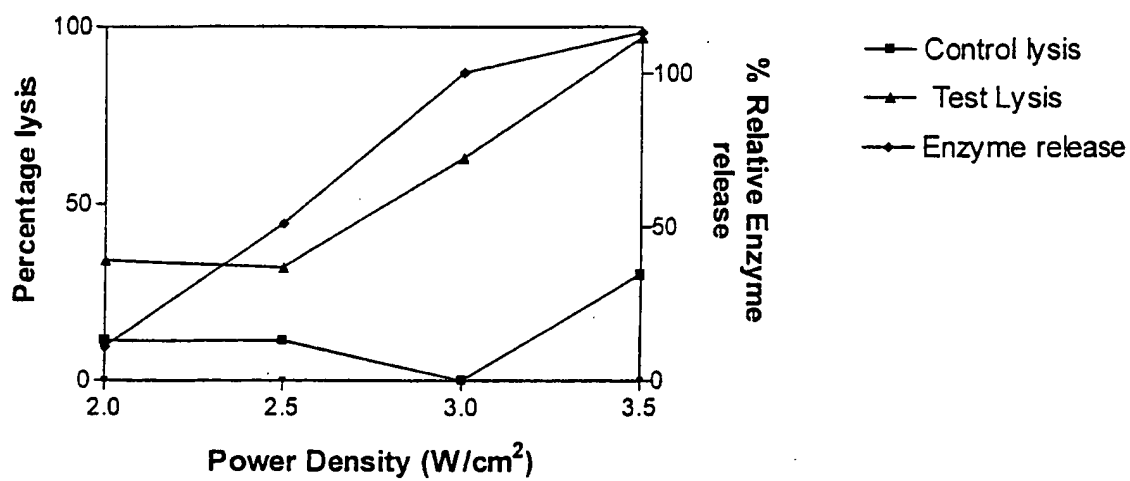


FIG. 9

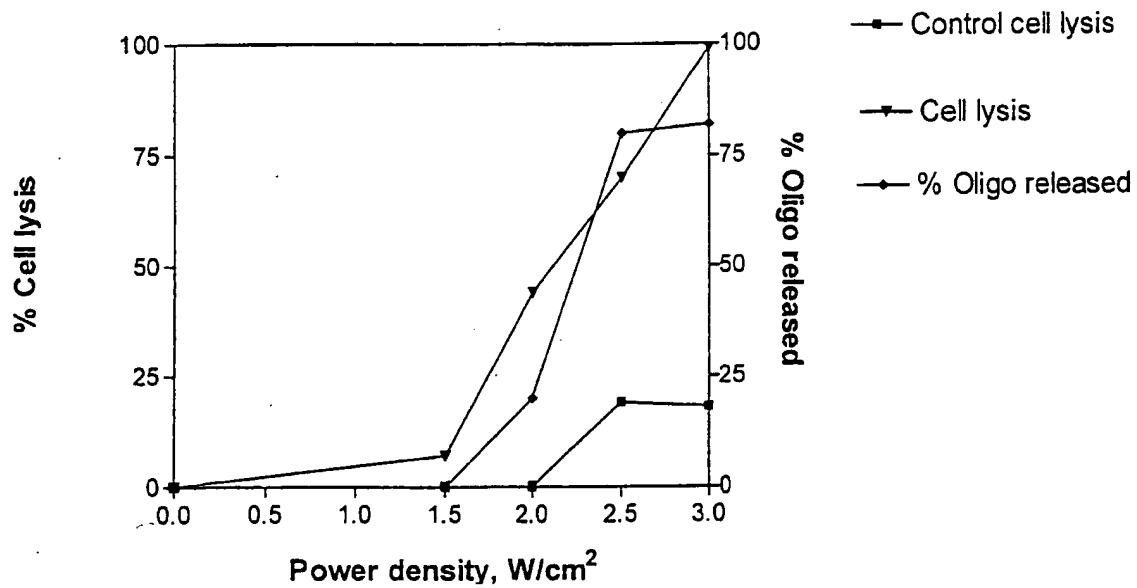


Fig. 10



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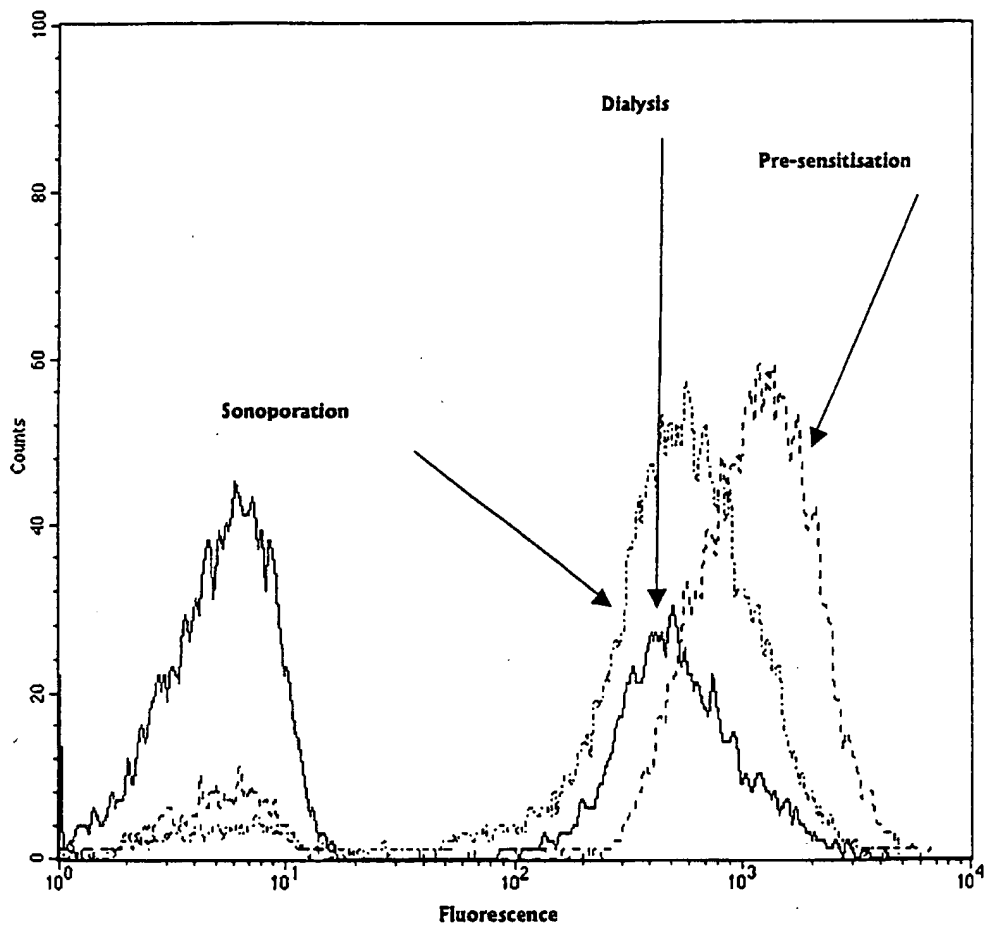
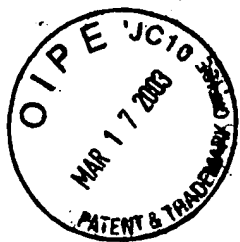


Fig.11



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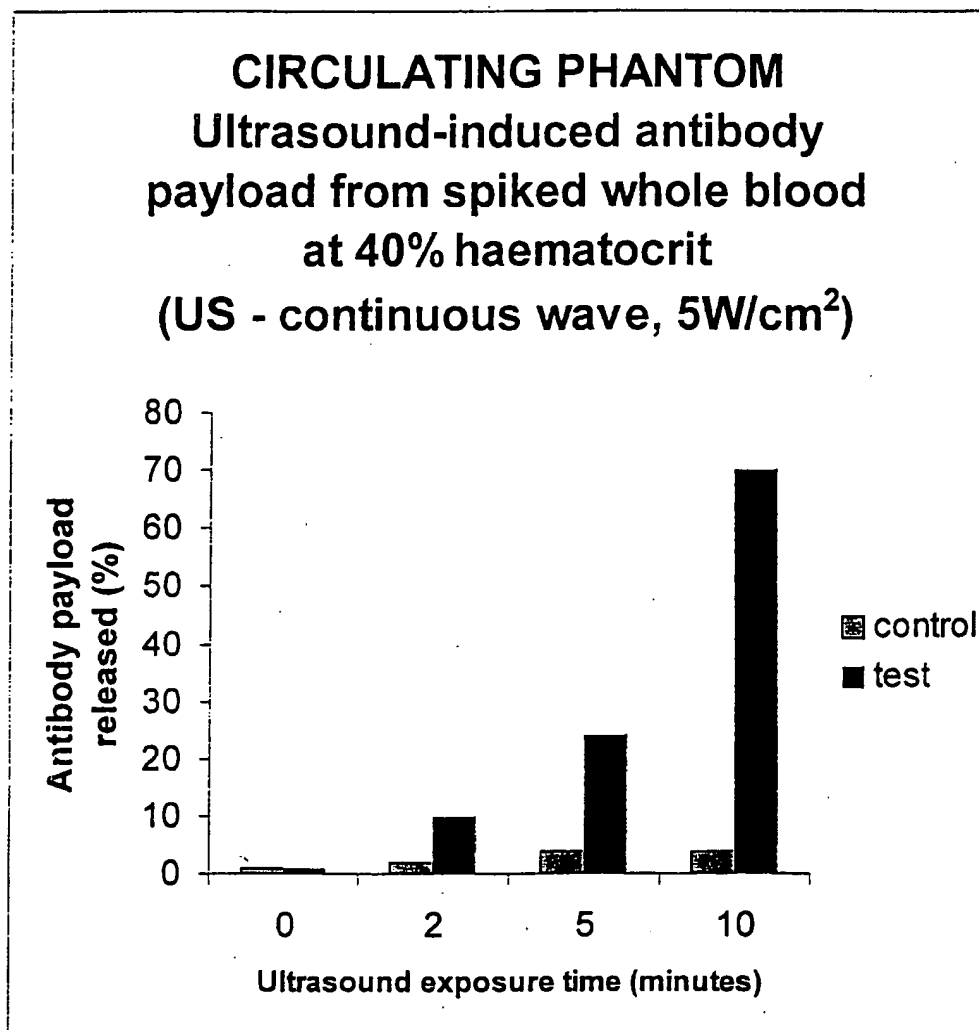


Fig. 12